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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/615,976	07/14/2000	James Richard Wason	13682(END9-2000-0083US1)	6527

7590

10/20/2003

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EXAMINER

ANYA, CHARLES E

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 10/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/615,976

Applicant(s)

WASON, JAMES RICHARD

Examiner

Charles E Anya

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 – 4, 6 – 9 and 11 – 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 5,832,268 to Anderson et al. in view of U.S. Pat. No. 6,263,339 B1 to Hirsch.

As to claim 1, Anderson teaches an object oriented computing system in an object oriented computing platform environment (Computing Environment 11 Col. 6 Ln. 50 – 67), a Computing Platform (Computing Platform 12 Col. 6 Ln. 50 – 67), a plurality of objects residing on the computing platform, each including an object frame containing data attributes and at least one object method which performs actions on the associated object, the objects being arranged in an inheritance hierarchy of objects to define parent and child object such that child objects inherit the data attributes and methods of parent objects and to further define objects in said inheritance hierarchy which are unrelated as parent and child objects such that unrelated objects do not inherit the attributes and method of each other (Col. 6 Ln. 27 – 67, Col. 7 Ln. 1 – 30), an object manager which sends messages to the objects to perform actions on the associated object frame using the associated object messages (Messenger 51 Col. 5 Ln. 56 – 67, Col. 6 Ln. 1 – 25)



and means responsive to user request, for grouping selected ones of the objects in the inheritance hierarchy which are unrelated to each other as parent and child objects into a plurality of Complex Objects (Block 201-205 Col. 8 Ln. 58 – 67, Col. 9 Ln. 1 – 4).

Anderson is silent with reference to a visual support means to display visually predefined aspects of the objects and complex objects.

Hirsch teaches a visual support means to display visually predefined aspects of the objects and complex objects (“...visual business intelligence system...” Col. 4 Ln. 15 – 63). It would have been obvious to apply the teaching of Hirsch to the teaching of Anderson. One would have been motivated to make such a modification in order to build applications (Col. 4 Ln. 15 – 19).

As to claim 2, Anderson is silent with reference to the visual support means that includes visual support to define a simple object that participates in a complex object. Hirsch teaches the visual support means that includes visual support to define a simple object that participates in a complex object (“...child objects...” Col. 6 Ln. 3 – 31). It would have been obvious to apply the teaching of Hirsch to the teaching of Anderson. One would have been motivated to make such a modification in order to build applications (Col. 4 Ln. 15 – 19).

As to claim 3, Anderson is silent with reference to the visual support means that includes visual support for presentation and manipulation of normalized data. Hirsch teaches the visual support means that includes visual support for presentation and manipulation of normalized data (“...reference(s)...” Col. 6 Ln. 3 – 20). It would have been obvious to apply the teaching of Hirsch to the teaching of Anderson. One

would have been motivated to make such a modification in order to build applications (Col. 4 Ln. 15 – 19).

As to claim 4, Anderson is silent with reference to the visual support means that includes visual support for computed fields.

Hirsch teaches the visual support means that includes visual support for computed fields (Properties 112 and 122 Col. 11 Ln. 55 – 67, Col. 12 Ln. 1 – 13). It would have been obvious to apply the teaching of Hirsch to the teaching of Anderson. One would have been motivated to make such a modification to provide dynamic properties object evaluation/customization (Col. 4 Ln. 15 – 19).

As to claims 6 – 9 and 11 – 14, see the rejection of claims 1 – 4.

Claims 5,10 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 5,832,268 to Anderson et al. in view of U.S. Pat. No. 6,263,339 B1 to Hirsch as applied to claim 1 above, and further in view of U.S. Pat. No. 6,301,579 B1 to Becker.

As to claim 5, Anderson as modified is silent with reference to the visual support means that includes visual support for summary fields.

Becker teaches the visual support means that includes visual support for summary fields (“...record count...” Col. 15 Ln. 15 – 29). It would have been obvious to apply the teaching of Becker to the system of Anderson as modified. One would have motivated to make such a modification in order to sum the record weights (Col. 15 Ln. 23 – 25).

As to claims 10 and 15, see the rejection of claim 5.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles E Anya whose telephone number is (703) 305-3411. The examiner can normally be reached on M-F (8:30-5:30) First Friday off.

The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Charles E Anya
Examiner
Art Unit 2126



**JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100**